

CONTACT

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ILam University Of Medical Science, Faculty Of Medicine Ilam University of Medical Sciences, Ilam, Iran.

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0843222701

Current Position

Assistant Professor of Medical Bacteriology
Department of Microbiology, School of Medicine
Clinical Microbiology Research Center
Ilam University of Medical sciences

Education

Grade	University	Country
BSc	*2006-2011 B.Sc: Microbiology, Islamic Azad University, Qum, Iran.*	**Iran**
MSc	*2012-2014 M.Sc: Medical bacteriology, Shiraz University of Medical Sciences, Shiraz, Iran.*	**Iran**
PhD	*2015-2020 Ph. D: Medical biotechnology, Tehran University of Medical Sciences, Tehran, Iran.*	**Iran**

ADDITIONAL SKILLS And Research Interests

Burn Infection ·
Herbal Medicine ·
Helicobacter pylori Infection and pathogenesis ·
Bioplastic and Biorefinery ·
Diabetes & Cell-Base Immunotherapy ·
Therapeutic T cell Engineering (CAR-T cell) ·
Cellular Signaling and Reprogramming ·
System Biology

Familiar with Techniques

· Microbiological culture and isolation

· Cell Culture

· Magnetic Activated Cell Sorting (MACS)

· Fluorescence-activated cell sorting (FACS)

· Real-time PCR

· Flow Cytometry

· Gene Transduction (Animal cells)

· Rat Handling

· Primer Design (PCR and RT-PCR)

· Histology Technique (preparation of tissue for microscopic examination)

Courses

· Molecular Genetic & Genetic Engineering

· Biotechnology Process Engineering

· System Biology & Bioinformatics

· Protein Engineering

· Biological Standardization

· Microchip & Microfluidic Systems

· Stem-cell Applications

· Vaccine

· Nano-biotechnology

Workshops

· Sampling technique and data analysis, Dec/2011

· Primer Design, Nov/2012

· Laboratory Health & Safety, Oct/2012

· Cell culture, (Royan institute workshop), Nov/2016

·Analysis of Microarray Data and Gene Regulatory Network with Cytoscape Software, Feb/2017

· Protein 3D Structure Prediction, Feb/2017

· Flow Cytometry, (Royan institute workshop), May/2017

· Bio-imaging, (Royan institute workshop), May/2017

Thesis

1. **Ph. D Thesis "Ex vivo generation and expansion of T regulatory cells through induction and/or signaling modification for cell-based immunotherapy" ·**
2. **M. Sc Dissertation "The prevalence of cagA, homB, and dupA in Helicobacter pylori isolated from upper gastrointestinal diseases, Shiraz, Iran"**

Teachings

- Teaching

Scientificprofile

ScopusProfile

https://www.scopus.com/authid/detail.uri?authorId=56728023200

Google scholar

https://scholar.google.com/citations?hl=en&user=lmaoTqAAAAAJ&vie

w_op=list_works&sortby=pubdate

Research Gate

https://www.researchgate.net/profile/Mohammad_Haddadi6

ORCID Page https://orcid.org/0000-0002-3387-9379

ISID Profile

Publication

1. Haddadi, MH, et al. The cagA EPIYA Motifs and vacA Genotypes in UpperGastrointestinal Diseases, Molecular Genetics, Microbiology and Virology, 2020, 35. 105–111.

2. Haddadi, MH, et al. "Helicobacter pylori antibiotic resistance and correlation with cagA motifs and homB gene." Postgraduate Medicine: 2020, 1-9.

3. Haddadi, M H, et al. "Directed Differentiation of Regulatory T cells from Naïve T Cells and Prevention of Their Inflammation-Mediated Instability using Small Molecules." Clinical & Experimental Immunology, 2020. Thesis Fields of interest Revised: Aug/ 2020 Page | 3

4. Haddadi MH, Hajizadeh-Saffare E, Khosravi-Maharlooei M, Basiri M, Negahdari B, Baharvand H. Autoimmunity as a Target for Chimeric Immune Receptor Therapy: A New Vision to Therapeutic Potential.Blood reviews. 2019,

5. Haddadi MH, Asadolahi R, Negahdari B. The bioextraction of bioplastics with focus on polyhydroxybutyrate: A review. International Journal of Environmental Science and Technology. 2019:1-14.

6. Haddadi MH, Aiyelabegan H, Negahdari B. Advanced biotechnology in biorefinery: a new insight into municipal waste management to the production of high-value products. International Journal of Environmental Science and

Technology. 2018:1-12.

7. Haddadi MH, Bazargani A, Khashei R, Fattahi MR, Lankarani KB, Moini M, et al. Different distribution of Helicobacter pylori EPIYA-cagA motifs and dupA genes in the upper gastrointestinal diseases and correlation with clinical outcomes in iranian patients. Gastroenterology and Hepatology from bed to bench. 2015;8(Suppl1):S37.

8. Tanideh N, Haddadi MH, Rokni-Hosseini MH, Hossienzadeh M, Mehrabani D, Sayehmiri K, et al. The healing effect of scrophularia striata on experimental burn wounds infected to Pseudomonas aeruginosa in rat. World journal of plastic surgery. 2015;4(1):16

9. Maleki F, Hadadi MH, Rezaei F, Mohamadi HR, Khosravi A, Nasser A. Classification and Replication Mechanism of StaphylococcusPhage. Bioscience Biotechnology Research Acia. 2015;12(1):481-6.

10.Aref Shavalipour, Hossein Kazemian, Hamid Heidari, Mohammad Hossein Haddadi, Mohebi R. Prevalence and antibiotic susceptibility pattern in microorganisms isolated from the diarrheal children in Ilam, Iran, IJDR. 2015;5(01): 2871-4.

Members

- ***Member in Iranian Society of Microbiology (ISM)***
- ***· Member in Iranian Biotechnology Society (IBS)***

  · Researcher at Royan institute in Reproductive Biomedicine and Stem Cell

